

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP2004/010836

**A. CLASSIFICATION OF SUBJECT MATTER**

IPC 7 C09K11/06

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C09K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
P, A	EP 1 348 711 A (CANON KK) 1 October 2003 (2003-10-01) the whole document	1-22
A	US 4 128 650 A (FABRE JEAN-LOUIS ET AL) 5 December 1978 (1978-12-05) Formula III	1-22
A	US 4 461 895 A (SATZINGER GERHARD ET AL) 24 July 1984 (1984-07-24) the whole document	1-22

Further documents are listed in the continuation of box C.

Patent family members are listed in annex

\* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

\*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance, the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\*Y\* document of particular relevance, the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

\*&\* document member of the same patent family

Date of the actual completion of the international search

11 January 2005

Date of mailing of the international search report

19/01/2005

Name and mailing address of the ISA

European Patent Office, P B 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel (+31-70) 340-2040, Tx 31 651 epo nl.  
Fax: (+31-70) 340-3016

Authorized officer

Saldamli, S

**INTERNATIONAL SEARCH REPORT**International application No.  
PCT/EP2004/010836**Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)**

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1.  Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
  
2.  Claims Nos.: because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:  

See Sheet PCT/ISA/210
  
3.  Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

**Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)**

This International Searching Authority found multiple inventions in this international application, as follows:

1.  As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
  
2.  As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
  
3.  As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
  
4.  No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

**Remark on Protest**  

The additional search fees were accompanied by the applicant's protest.

No protest accompanied the payment of additional search fees.

**INTERNATIONAL SEARCH REPORT**International application No.  
PCT/EP2004/010836**Further information PCT/ISA/ 210****Continuation of I.2**

The current claims 1-22 relate to a disproportionately large number of possible compounds, of which only a small portion are supported by the description (PCT Article 6) and/or can be regarded as having been disclosed in the application (PCT Article 5). In the present case the claims lack the proper support and the application lacks the requisite disclosure to such an extent that it appears impossible to carry out a meaningful search covering the entire range of protection sought. Therefore, the search was directed to the parts of the claims that appear to be supported and disclosed in the above sense, that is the parts concerning compounds 1-95 and the related dibenzo[de,h]quinoline derivatives, which are used in the compounds as ligand.

The applicant is advised that claims relating to inventions in respect of which no international search report has been established normally cannot be the subject of an international preliminary examination (PCT Rule 66.1(e)). In its capacity as International Preliminary Examining Authority the EPO generally will not carry out a preliminary examination for subjects that have not been searched. This also applies to cases where the claims were amended after receipt of the international search report (PCT Article 19) or where the applicant submits new claims in the course of the procedure under PCT Chapter II. After entry into the regional phase before the EPO, however, an additional search can be carried out in the course of the examination (cf. EPO Guidelines, Part C, VI, 8.5) if the deficiencies that led to the declaration under PCT Article 17(2) have been remedied.

**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International Application No

PCT/EP2004/010836

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
EP 1348711	A	01-10-2003	AU	2256602 A	11-06-2002
			EP	1348711 A1	01-10-2003
			US	2003068526 A1	10-04-2003
			AU	2256502 A	11-06-2002
			CN	1474826 T	11-02-2004
			CN	1478372 T	25-02-2004
			WO	0245466 A1	06-06-2002
			WO	0244189 A1	06-06-2002
			US	2003059646 A1	27-03-2003
US 4128650	A	05-12-1978	FR	2351656 A1	16-12-1977
			AU	507900 B2	28-02-1980
			AU	2525077 A	23-11-1978
			BE	854869 A1	21-11-1977
			CA	1073912 A1	18-03-1980
			CH	625225 A5	15-09-1981
			DE	2722773 A1	08-12-1977
			DK	217477 A	22-11-1977
			FI	771613 A	22-11-1977
			GB	1530438 A	01-11-1978
			HU	173385 B	28-04-1979
			JP	52142074 A	26-11-1977
			NL	7705337 A	23-11-1977
			NO	771771 A	22-11-1977
			SE	7705853 A	22-11-1977
			ZA	7702986 A	26-04-1978
US 4461895	A	24-07-1984	DE	3118521 A1	02-12-1982
			EP	0064685 A1	17-11-1982
			ES	8401470 A1	01-03-1984
			ES	8401945 A1	01-04-1984
			ES	8406443 A1	01-11-1984
			JP	57192369 A	26-11-1982